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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PTEN (Human) Recombinant Protein (P01)

Catalog Number: H00005728-P01

Regulation Status: For research use only (RUO)

Product Description: Human PTEN full-length ORF (AAH05821.1, 1 a.a. - 403 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MTAIIKEIVSRNKRRYQEDGFDLDTYIYPNIIAMGFPAE
RLEGVYRNNIDDVVRFLDSKHKNHYKIYNLCAERHYDT
AKFNCRVAQYPPFEDHNPPQLELIKPFCELDLQWLSED
DNHVAAIHCKAGKGRGVMICAYLLHRGKFLKAQEAL
DFYGEVTRTRDKKGVTTIPSQRRYVYVYVSYLLKNHLDYR
PVALLFHKMMFETIPMFSGGTCNPQFVVCQLKVKIYSS
NSGPTRREDKFMVFEFPQPLVCGDIKVEFFHKQNKM
LKKDKMFHFVWNTFFIPGPEETSEKVENGLCDQEIDS
ICSIERADNDKEYLVLTTLTKNDLKDANKDKANRYFSPN
FKVKLYFTKTVEEPSNPEASSSTSVTPDVSDNEPDHY
RYSDDTSDPENEPFDEEDQHTQITKV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 69.96

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5728

Gene Symbol: PTEN

Gene Alias: 10q23del, BZS, MGC11227, MHAM, MMAC1, PTEN1, TEP1

Gene Summary: This gene was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. The protein encoded this gene is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin like domain as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. Unlike most of the protein tyrosine phosphatases, this protein preferentially dephosphorylates phosphoinositide substrates. It negatively regulates intracellular levels of phosphatidylinositol-3,4,5-trisphosphate in cells and functions as a tumor suppressor by negatively regulating AKT/PKB signaling pathway. [provided by RefSeq]